

Technical Datasheet

Article No. 1455

Methanol ultragradient grade for HPLC, Ph. Eur.
min. 99.9 % CH₃OH

For laboratory use.

Parameter	Value
Appearance	clear liquid
Density (20 °C)	0.7910–0.7930 g/ml
Boiling point	65 °C
Melting point	-98 °C
Mol.-Weight	32.04 g/mol
Colour (APHA)	max. 10
Identity	complies
Refractive index (20 °C)	1.3270–1.3300
Distillation range	64.1–65.1 °C
Acidity	max. 0.0003 meq/g
Alkalinity	max. 0.00006 meq/g
Water (KF)	max. 0.02 %
Residue on evaporation	max. 5 ppm
Carbonyl compounds (as CH ₃ COCH ₃)	max. 20 ppm
Ethanol (C ₂ H ₅ OH)	max. 50 ppm
Substances reducing KMnO ₄ (as O)	max. 2 ppm
Fluorescence at 254 nm	max. 1 ppb
Fluorescence at 365 nm	max. 1 ppb
UV-transmittance at 210 nm	min. 30 %
UV-transmittance at 220 nm	min. 55 %
UV-transmittance at 225 nm	min. 65 %
UV-transmittance at 235 nm	min. 85 %
UV-transmittance at 240 nm	min. 90 %
UV-transmittance at 250 nm	min. 95 %
UV-transmittance at 260 nm	min. 98 %

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Parameter	Value
HPLC gradient (peak) at 235 nm	max. 2 mAU
HPLC gradient (peak) at 254 nm	max. 1 mAU
HPLC gradient test	conform
Filtered through 0.2 µm	
Conforms Reag. Ph. Eur. R 1053200 R1 1053201 R2 1053202	